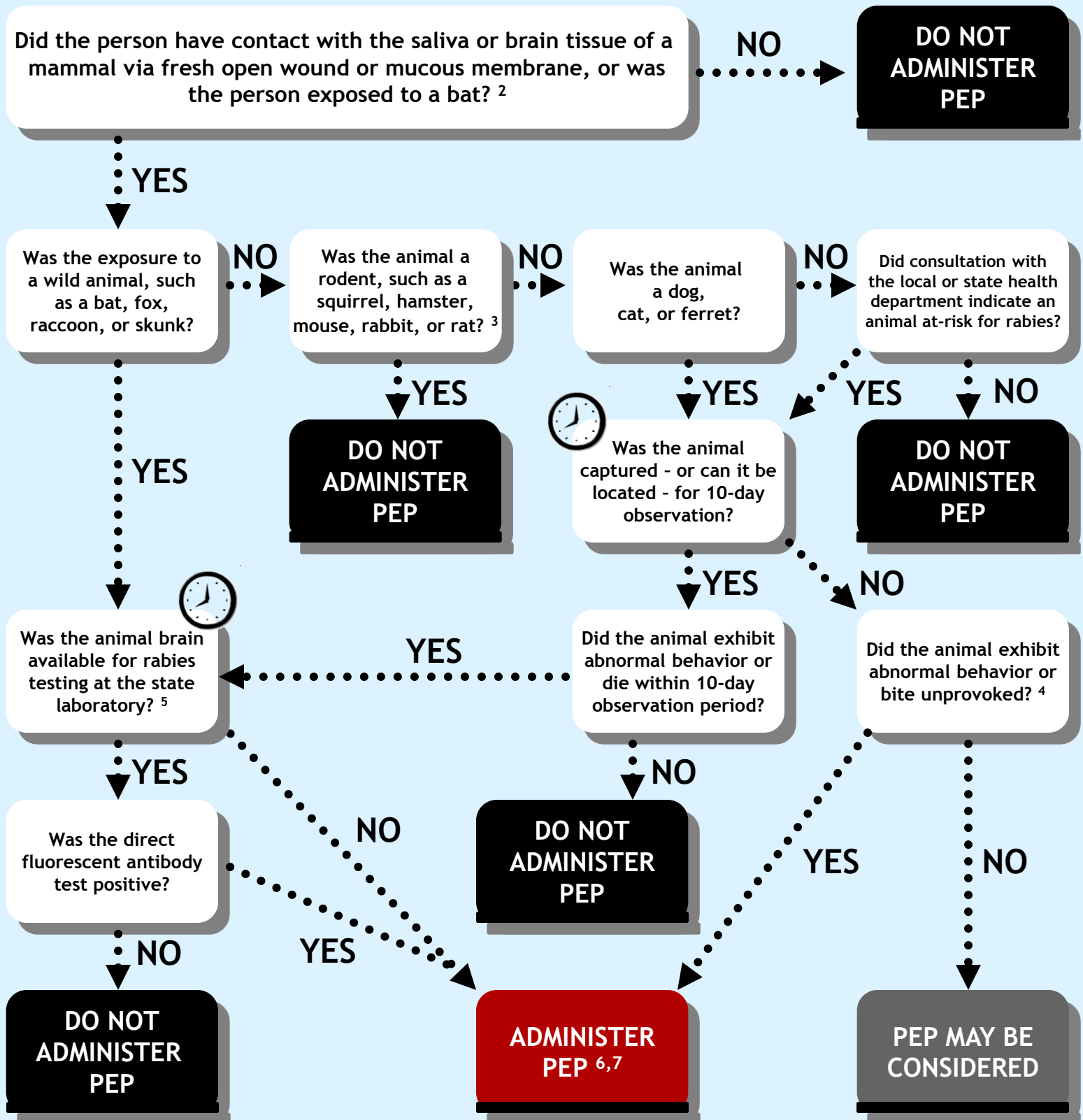


HUMAN RABIES POST-EXPOSURE PROPHYLAXIS (PEP) PROTOCOL ¹



Immediately consult with
local or state public health
officials

Michigan law requires that animal bites be immediately reported to the local health department



Rabies PEP is a medical urgency, not an emergency. The decision to initiate rabies PEP can normally wait 48-72 hours to determine whether an animal is available for testing or observation, and for test results to become available

SEE IMPORTANT INFORMATION ON REVERSE SIDE

IMPORTANT INFORMATION

1. Rabies risk assessment requires balancing a number of criteria: the species of animal and the endemicity of rabies for that species for Michigan, the observed health and behavior of the animal, and the circumstances of the bite. This algorithm only addresses rabies post-exposure prophylaxis. Other treatment such as wound care, antibiotics, and tetanus immunization may be indicated.

2. In addition to obvious bites or mucous membrane exposures, the CDC suggests that PEP be considered in cases where there is a reasonable probability that contact with a bat may have occurred (i.e. a deeply sleeping person awakens to find a bat in the same room, an adult witnesses a bat in a room with a previously unattended child, mentally disabled person, or intoxicated individual) **and rabies cannot be ruled out by testing of the bat.** PEP would not be warranted for other household members. Consult your local health department for questions regarding uncommon incidents.

3. Barring unusual circumstances, rodents and rabbits are not likely to carry rabies, and bites from these species almost never require rabies PEP. In questionable or unusual circumstances involving rodent or rabbit bites, consult your local health department.

4. Unprovoked exposures are rare and typically require an animal to cross neutral space and attack. *Provoked* exposures may include:

- attempting to feed an animal
- having contact with an injured animal
- entering an animal's territory
- petting or playing with an animal
- handling an animal
- attempting to break up a fight between animals
- walking, running, or riding a bicycle past an animal

The physician should attempt to get the patient to describe the scenario in order to establish the true nature or the circumstances surrounding the biting incident - DO NOT simply ask if the bite was provoked or unprovoked.

5. Rabies PEP is a medical urgency NOT an emergency. The severity and location of a wound (severe wounds or obvious wounds near the head and neck should be given highest priority), and the expected interval between the time of the bite and receipt of rabies test results should be considered when making a decision to begin PEP while awaiting test results. Potentially exposed persons can normally afford to wait **48-72 hours** for 1) an animal to be located for quarantine or testing, or 2) animal rabies testing results. Testing is available at the MDCH laboratory 24/7 including weekends and holidays, and turnaround time for testing is normally 24-48 hours.

6. Unless the person previously received rabies immunoprophylaxis¹ or is immunosuppressed², PEP consists of four (4) doses of vaccine (1.0 ml each administered IM in the deltoid region) on days 0, 3, 7, and 14, and one (1) dose of human rabies immune globulin (HRIG) administered on day 0. HRIG (dosage 20 IU/kg) should be infiltrated into and around the bite wound as much as anatomically feasible, with the remainder administered IM at a site distant from vaccine administration. HRIG should not be administered in the same syringe or at the same site as vaccine.

¹Previously vaccinated patient: No HRIG, and only two (2) doses of vaccine on days 0 and 3.

²Immunosuppressed patient: HRIG and a five (5) dose series of vaccine (days 0, 3, 7, 14, 28). Serum should be tested for rabies neutralizing antibody 1-2 weeks following completion of series.

Consult your local health department if deviations from the PEP schedule occur.

7. If the biting animal is captured and tests negative for rabies after PEP has begun, PEP may be discontinued.

References:

Centers for Disease Control and Prevention.

Human Rabies Prevention - United States, 2008: Recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 2008; 57 (No. RR-3).

Centers for Disease Control and Prevention. Compendium of Animal Rabies Prevention and Control, 2011: National Association of State Public Health Veterinarians, Inc. MMWR 2011; 60 (No. RR-6).



Prepared by:
Michigan Department of Community Health
Zoonotic and Special Projects Section
August 2013

For more information, please visit:
www.michigan.gov/rabies or www.cdc.gov/rabies

DIRECTORY OF MICHIGAN HEALTH DEPARTMENTS

In general, health care providers should seek consultation regarding communicable disease prevention and control services through their local health department.

COUNTY	HEALTH DEPT.	CO. OFFICE	AREA	PHONE	FAX	COUNTY	HEALTH DEPT.	CO. OFFICE	AREA	PHONE	FAX
Alcona	District 2	Harrisville	989	724-6757	343-1894	Lake	District 10	Baldwin	231	745-4663	745-2501
Alger	LMAS DHD	Munising	906	387-2297	387-2224	Lapeer	Lapeer County	Lapeer	810	667-0448	667-0232
Allegan	Allegan County	Allegan	269	673-5411	673-2163	Leelanau	Benzie-Leelanau DHD	Lake Leelanau	231	256-0200	256-7399
Alpena	District 4	Alpena	989	356-4507	356-3529	Lenawee	Lenawee County	Adrian	517	264-5227	264-0790
Antrim	Health Dept. of NW MI	Bellaire	231	533-8670	547-0460	Livingston	Livingston County	Howell	517	546-9850	546-6995
Arenac	Cent MI DHD	Standish	989	846-6541	846-0431	Luce	LMAS DHD	Newberry	906	293-5107	293-5724
Baraga	Western UP Dist	L'Anse	906	524-6142	524-6144	Mackinac	LMAS DHD	St. Ignace	906	643-1100	643-0239
Barry	Barry-Eaton DHD	Hastings	517	541-2641	541-2666	Macomb	Macomb County	Mt. Clemens	586	783-8190	493-0075
Bay	Bay County	Bay City	989	895-2039	895-2083	Manistee	District 10	Manistee	231	723-3595	723-0150
Benzie	Benzie-Leelanau DHD	Benzonia	231	882-4409	882-0143	Marquette	Marquette County	Negaunee	906	315-2631	475-4435
Berrien	Berrien County	Benton Harbor	269	926-7121	926-8129	Mason	District 10	Ludington	231	845-7381	845-9374
Branch	Branch/Hills/St Jo	Coldwater	517	279-9561	278-2923	Mecosta	District 10	Big Rapids	231	592-0130	592-9464
Calhoun	Calhoun County	Battle Creek	269	969-6370	969-6488	Menominee	Delta-Men Dist	Menominee	906	863-4451	863-7142
Cass	Van Buren-Cass DHD	Cassopolis	269	445-5280	445-5278	Midland	Midland County	Midland	989	832-6666	837-6524
Charlevoix	Health Dept. of NW MI	Charlevoix	231	547-6523	547-0460	Missaukee	District 10	Lake City	231	839-7167	839-7908
Cheboygan	District 4	Cheboygan	231	627-8850	989-356-3529	Monroe	Monroe County	Monroe	734	240-7832	240-7906
Chippewa	Chippewa County	Sault Ste. Marie	906	635-1566	635-7081	Montcalm	Mid-MI DHD	Stanton	989	831-5237	831-5522
Clare	Cent MI DHD	Harrison	989	539-6731	539-4449	Montmorency	District 4	Atlanta	989	356-3529	785-2217
Clinton	Mid-MI DHD	St. Johns	989	224-2195	224-4300	Muskegon	Muskegon County	Muskegon	231	724-4723	724-1325
Crawford	District 10	Grayling	989	348-7800	348-5346	Newaygo	District 10	White Cloud	231	689-7300	689-5295
Delta	Delta-Men Dist	Escanaba	906	786-4111	786-1962	Oakland	Oakland County	Pontiac	248	858-1286	858-0178
Dickinson	Dick-Iron Dist	Kingsford	906	774-1868	779-7232	Oceana	District 10	Hart	231	873-2193	873-4366
Eaton	Barry-Eaton DHD	Charlotte	517	541-2641	541-2666	Ogemaw	District 2	West Branch	989	345-5020	343-1899
Emmet	Health Dept. of NW MI	Petoskey	231	347-6014	547-0460	Ontonagon	Western UP Dist	Ontonagon	906	884-4485	884-2358
Genesee	Genesee County	Flint	810	257-1017	257-3247	Osceola	Cent MI DHD	Reed City	231	832-5532	832-1020
Gladwin	Cent MI DHD	Gladwin	989	426-9431	426-6952	Oscoda	District 2	Mio	989	826-3970	343-1895
Gogebic	Western UP Dist	Bessemer	906	667-0200	667-0020	Otsego	Health Dept. of NW MI	Gaylord	989	732-1794	231-547-0460
Gd. Traverse	Grand Traverse Co	Traverse City	231	922-4831	922-2719	Ottawa	Ottawa County	Holland	616	396-5266	393-5767
Gratiot	Mid-MI DHD	Ithaca	989	875-3681	875-3747	Presque Isle	District 4	Rogers City	989	356-3529	734-3866
Hillsdale	Branch/Hills/St Jo	Hillsdale	517	437-7395x200	437-0166	Roscommon	Cent MI DHD	Prudenville	989	366-9166	366-8921
Houghton	Western UP Dist	Hancock	906	482-7382	482-9410	Saginaw	Saginaw County	Saginaw	989	758-3885	758-3888
Huron	Huron County	Bad Axe	989	269-9721	269-4181	St. Clair	St. Clair County	Port Huron	810	987-5300	985-4340
Ingham	Ingham County	Lansing	517	887-4308	887-4379	St. Joseph	Branch/Hills/St Jo	Three Rivers	269	273-2161x200	273-2452
Ionia	Ionia County	Ionia	616	527-5341	527-8208	Sanilac	Sanilac County	Sandusky	810	648-4098	648-5276
Iosco	District 2	Tawas City	989	362-6183	343-1892	Schoolcraft	LMAS DHD	Manistique	906	341-6951	341-5230
Iron	Dick-Iron Dist	Iron River	906	265-9913	265-4174	Shiawassee	Shiawassee County	Corunna	989	743-2318	743-2413
Isabella	Cent MI DHD	Mt. Pleasant	989	773-5921	773-4319	Tuscola	Tuscola County	Caro	989	673-8114	673-7490
Jackson	Jackson County	Jackson	517	768-1662	788-4256	Van Buren	Van Buren-Cass DHD	Hartford	269	621-3143	621-2725
Kalamazoo	Kalamazoo County	Kalamazoo	269	373-5267	373-5060	Washtenaw	Washtenaw County	Ypsilanti	734	544-6700	544-6706
Kalkaska	District 10	Kalkaska	231	258-8669	258-2805	Wayne (out-Wayne)	Wayne County	Wayne	734	727-7078	313-967-3044
Kent	Kent County	Grand Rapids	616	632-7228	632-7085	Detroit	Detroit City	Detroit	313	876-4138	876-0070
Keweenaw	Western UP Dist	Hancock	906	482-7382	482-9410	Wexford	District 10	Cadillac	231	775-9942	775-4127

STATE OF MICHIGAN CONTACTS

Immunization Division
Ph: 517-335-8159
Fax: 517-335-9855

Communicable Disease Division
Ph: 517-335-8165
Fax: 517-335-8263

Bureau of Laboratories
Ph: 517-335-8063
Fax: 517-335-9631

STATE OF MICHIGAN COMMUNICABLE DISEASE AFTER HOURS CONTACT: (517) 335-9030